

CONTENTS OF VOLUME 81

No. 1, July 1990

Announcement from the Publisher

<i>R. B. Banzett, R. W. Lansing, R. Brown, G. P. Topulos, D. Yager, S. M. Steele, B. Londoño, S. H. Loring, M. B. Reid, L. Adams and C. S. Nations (U.K., U.S.A.): 'Air hunger' from increased P_{CO_2} persists after complete neuromuscular block in humans</i>	v
<i>E. Agostoni and L. Zocchi (Italy): Solute-coupled liquid absorption from the pleural space</i>	1
<i>K.-J. Kim (U.S.A.): Active Na^+ transport across <i>Xenopus</i> lung alveolar epithelium</i>	29
<i>K. Ikeda, T. Sasaki, S. Shimura, M. Satoh, H. Ishihara, H. Sasaki, T. Takishima, Y. Saitoh and A. Nishiyama (Japan): Effect of surfactant on bioelectric properties of canine tracheal epithelium</i>	41
<i>P. A. Padrid, J. R. Haselton and M. P. Kaufman (U.S.A.): Ischemia potentiates the reflex bronchodilation evoked by static muscular contraction in dogs</i>	51
<i>I. Mayers and D. H. Johnson (Canada): Vasodilators do not abolish pulmonary vascular critical closing pressure</i>	63
<i>M. X. J. Shi and Y.-L. Lai (U.S.A.): The role of tachykinins in air ventilation-induced bronchoconstriction in postmortem guinea pigs</i>	75
<i>R. D. Hamilton, R. L. Horner, A. J. Winning and A. Guz (U.K.): Effect of breathing of raising end-expiratory lung volume in sleeping laryngectomized man</i>	87
<i>B. A. Cross, D. R., Corfield, K. D. Howells, R. P. Stidwill, G. B. Newman and S. J. G. Semple (U.K.): Carotid chemoreceptor response to increases in CO_2 output</i>	99
<i>S. Khamnei and P. A. Robbins (U.K.): Hypoxic depression of ventilation in humans: alternative models for the chemoreflexes</i>	117

No. 2, August 1990

Announcement from the Publisher

In memoriam Hermann Rahn

Announcement from the Publisher	135
In memoriam Hermann Rahn	136
<i>M. Meyer, M. Mohr, H. Schulz and J. Piiper (F.R.G.): Sloping alveolar plateaus of CO_2, O_2, and intravenously infused C_2H_2 and $CHClF_2$ in the dog</i>	137
<i>F. Séries, F. Y. Cormier and M. Desmeules (Canada): Alcohol and the response of upper airway resistance to a changing respiratory drive in normal man</i>	153
<i>A. Oliven, M. A. Haxhiu and S. G. Kelsen (Israel): Distribution of motor activity to expiratory muscles during sciatic nerve stimulation in the dog</i>	165
<i>R. S. Hartley (U.S.A.): Expiratory muscle activity during song production in the canary</i>	177
<i>M. Pokorski, A. Masuda, P.-E. Paulev, Y. Sakakibara, B. Ahn, S. Takaishi, Y. Nishibayashi and Y. Honda (Japan): Ventilatory and cardiovascular responses to hypoxic and hyperoxic static handgrip exercise in man</i>	189
<i>M. Maskrey, D. Megirian and J. H. Sherrey (Australia): Alteration in breathing of the awake rat after laryngeal and diaphragmatic muscle paralysis</i>	203
<i>J. H. Sherrey and D. Megirian (Australia): After phrenicotomy the rat alters the output of the remaining respiratory muscles without changing its sleep-waking pattern</i>	213
<i>T. Takeda (Japan): Ventilation, cardiac output and blood respiratory parameters in the carp, <i>Cyprinus carpio</i>, during hyperoxia</i>	227

<i>R. Monteau, D. Morin and G. Hilaire (France): Acetylcholine and central chemosensitivity: in vitro study in the newborn rat</i>	241
<i>H. O. Pörtner, R. G. Boutilier, Y. Tang, D. P. Toews (Canada): Determination of intracellular pH and P_{CO_2} after metabolic inhibition by fluoride and nitrilotriacetic acid</i>	255
<i>H. O. Pörtner (F.R.G.): Determination of intracellular buffer values after metabolic inhibition by fluoride and nitrilotriacetic acid</i>	275
 No. 3, September 1990	
Announcement from the Publisher	289
<i>R. L. Londraville and B. D. Sidell (U.S.A.): Maximal diffusion-distance within skeletal muscle can be estimated from mitochondrial distributions</i>	291
<i>T. M. Frey, R. O. Crapo, R. L. Jensen, R. E. Kanner, J. E. Kass, R. J. Castriotta and Z. Mohsenifar (U.S.A.): Adjustment of DL_{CO} for varying COHb, and alveolar P_{O_2} using a theoretical adjustment equation</i>	303
<i>S. Suzuki, H. Numata and T. Okubo (Japan): Effect of alveolar pressure on single-breath CO diffusing capacity at mid-lung volume</i>	313
<i>L. Plowman, D. C. Lauff, M. Berthon-Jones and C. E. Sullivan (Australia): Abdominal muscle activity in conscious dogs: effect of sleep and route of breathing</i>	321
<i>R. S. Fitzgerald, M. Shirahata and S. Lahiri (U.S.A.): Amiloride and carotid body chemoreception of hypercapnia and hypoxia</i>	337
<i>J. A. Estavillo, T. P. Adamson and R. E. Burger (U.S.A.): Middle cardiac nerve section alters ventilatory response to Pa_{CO_2} in the cockerel</i>	349
<i>S. Javaheri and L. F. Guerra (U.S.A.): Effects of domperidone and medroxyprogesterone acetate on ventilation in man</i>	359
<i>R. W. Giering and J. A. Daubenspeck (U.S.A.): Time course of laryngeal aperture response to expiratory resistance loading in humans</i>	371
<i>R. C. Schroter, R. Z. Filali, A. P. R. Brain, P. K. Jeffery and D. Robertshaw (U.K., U.S.A.): Influence of dehydration and watering on camel red cell size: a scanning electron microscopic study</i>	381
<i>T. Z. Vitalis (U.S.A.): Pulmonary and cutaneous oxygen uptake and oxygen consumption of isolated skin in the frog, <i>Rana pipiens</i></i>	391
<i>M. A. Chappell and R. C. Roverud (U.S.A.): Temperature effects on metabolism, ventilation, and oxygen extraction in a Neotropical bat</i>	401
<i>H. Burnet, M. Lucciano and Y. Jammes (France): Respiratory effects of cold-gas breathing in humans under hyperbaric environment</i>	413
Author Index	425
Subject Index	429
Contents of Volume 81	437

